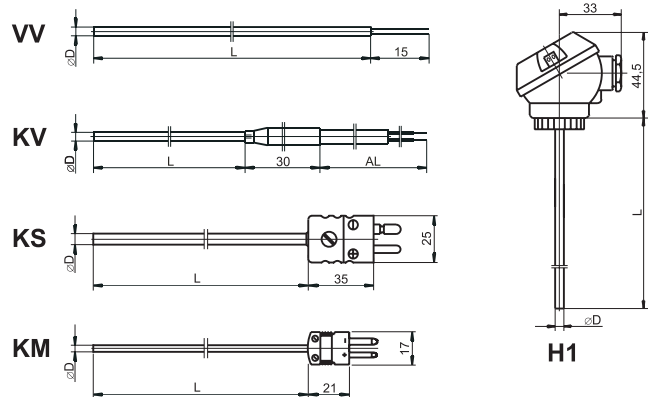


FlexiTEMP 60

Sheath Mineral Insulated Thermocouple Temperature Sensors

- Thermocouple „J“, „K“, „L“
- Measuring range -200 to +1200 °C
- Accuracy class 1, 2 according to EN 60584-2
- Outside diameter of 0.5 to 6 mm
- Version with flat connector
- Standard insulated measuring end.
- Selectable nominal length L: 0.1 to 50 m
- Rapid response to temperature changes
- Flexible stem
- Version with connected compensating cable (2x0.5 mm² / 4x0.5 mm²)



Description

The sheath thermocouple temperature sensors without protective tubes and thermowells are thermocouples in the length from approx. 100 mm to several tens of meter and with external sheath diameter in series of 1/ 1,5 / 2 / 3 / 4,5 / 6 mm. These thermocouples are standardly supplied with stainless steel shell DIN 1.4541 or Inconel 600. The measuring end of sheath thermocouple is standardly made in insulated version and optionally can be also offered in grounded or open version. The style of cold end of sheath thermocouples is offered with independent outlets, with connected compensating cable with facultative material of insulation, with flat standard connector or mini connector with connection head form MA. The supplied sheath thermocouples are bendable with radius equal to the quintuple of external sheath diameter what furthermore enriches the possibility of their using.

Application

Mineral insulated thermocouple temperature sensors „J“, „L“ and „K“ sheath sensors without protective fitting are meant for applications where can be expedient some of their strengths, like for example quick reaction at temperature changes, flexibility, small dimensions, higher stability of output signal against wire thermocouples, high pressure resistance and like these.

Technical Specifications

Thermocouple:

- type „J“ (Fe-CuNi), accuracy classes 1, 2 according to EN 60584-2
- type „K“ (NiCr-NiAl), accuracy class 1, 2 according to EN 60584-2
- type „L“ (Fe-CuNi), according to DIN 43710

Measuring Range:

- 200 to +800 °C - thermocouple „J“, „L“ (material DIN 1.4541)
- 200 to +1200 °C - thermocouple „K“ (material Inconel 600)

Materials:

- Thermocouple Sheath
- DIN 1.4541 - thermocouple „J“, „L“
- Inconel 600 (DIN 2.4816) - thermocouple „K“

Compensating cable:

- 2x0.22 mm², 4x0.22 mm²
- silicone outside and inside insulated
- glass fibres insulation with metal braiding
- outside and inside insulation of teflon
- selectable length AL 0.5 to 50 m (2.5 m standard)

Flat connector:

- black - thermocouple „J“, „L“
- green - thermocouple „K“
- connector temperature resistance from -60 to +200 °C

Minimal radius of stem flexibility:

- 5x diameter D

Technical advantages

Bendy construction and variable dimensions and material. Unique unification of flexible sensor FLEXITEMP 60 version simplifies its ordering and application. The conformity to individual customer's requirements is reached through the variability of the style and most of dimensions.

Version for aggressive medium

The stem version of stainless steel DIN 1.4541 DIN for thermocouple „J“, „L“ and of Inconel 600 for thermocouple „K“ is included in the basic price. In the version with connected balancing line can be offered optionally by agreement with supplier the material suitable for these applications.

Production assurance

Many tests provided on each sensor guarantee the quality of products (control of insulating resistance, electric strength, metrological characteristics, weld quality). The tests guarantee the fulfilling of limits of the EN 61515, EN 60584 adequately with good results.

Calibration

The possibility of calibration in several points in temperature range from 0 to +1000°C with possibility of sensors calibration inclusive converter with output signal of 4 to 20 mA is offered to the customer. Every sensor is standardly checked in one temperature point.

Outputs 1x/2x 4-20 mA, HART, Profibus, Fieldbus

Sensors JSP Nova Paka can be supplied with transmitters on the DIN rail or on wall with outputs of 4-20 mA, HART, Profibus, Fieldbus.

Business advantages

Easy ordering

Contrary to searching of appropriate version in big number of catalogues it is disposal an overview chart of the versions and one code ordering table. It is possible to order the sensors with word description.

Delivery terms

Because of high degree of production completion it is possible to realise the standard deliveries between 5 to 10 workdays.

Selling price

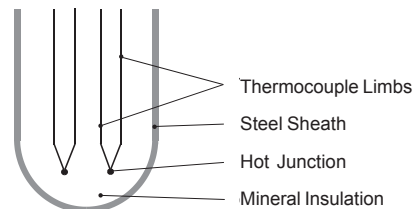
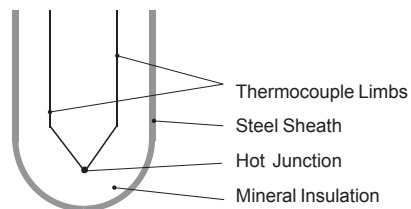
The sensors reach especially favourable relation between the serviceability and price. Thanks to variable conception of the product they are also supplied the in customer versions for standard prices.

The extended guarantee

There is especially low occurrence of operating failures at all products fabricated in the company JSP Nova Paka. Thanks to this it is provided the 36-months extended free of charge guarantee for already 10 pcs.

Measuring End Style

Insulated Single and Double Style



Grounded and Open Style

